## (19) World Intellectual Property Organization International Bureau



(43) International Publication Date 27 December 2001 (27,12,2001)

PCT

(10) International Publication Number WO 01/97904 A1

(51) International Patent Classification7: A61N 1/32

(21) International Application Number: PCT/KR01/00455

(22) International Filing Date: 22 March 2001 (22.03.2001)

(25) Filing Language:

(26) Publication Language:

Korean English

(30) Priority Data:

2000/34253 21 June 2000 (21.06,2000) KR (71) Applicant (for all designated States except US): MOM & MAM INC. [KR/KR]; 175-6, Shimgok 2-dong.

(72) Inventor; and

(75) Inventor/Applicant (for US only): SON, Young, Tae [KR/KR]; 3-206 Wooseong Apt., 503, Daechi-dong, Kangnam-gu, Seoul 135-828 (KR).

Wonmi-gu, Bucheon, Kyunggi-do, 420-823 (KR),

(74) Agent: PARK, Lae, Bong; 1st Floor, Dongun Building, 413-4, Dogok 2-dong, Kangnam-gu, Seoul 135-272 (KR). (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FL GB, GD, GE, GH, GM, HR. HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO. NZ, PL, PT, RO, RU, SD, SE, SG, SL, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

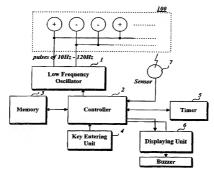
## Published:

with international search report

with amended claims

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS AND METHOD FOR SELECTIVELY REMOVING A BODY FAT MASS in HUMAN BODY



(57) Abstract: The present invention relates to a method and apparatus for removing body fat. While an obesity patient or person wants to remove body fat built up in a certain part is conducting aerobic exercise such as running with attaching a surface-attaching type catheter on the fat part, the apparatus resolves and removes body fat by applying pulses, whose frequency is 10 ~ 120Hz, through the catheter, and changes the exercising condition based upon his or her heart rate and standard heart rate, thereby conducting efficient removal of body fat.